ABSTRACT OF THE DISCLOSURE

A duplex scanner includes an automatic document feeder (ADF) and a flatbed scanner. Each of the ADF and the flatbed scanner includes a scan module for scanning a front side image and a back side image of a document. The ADF scans the back side image of the document and converts the scanned analog signal into a digital signal. The flatbed scanner receives the digital signal from the ADF, simultaneously scans the front side image of the document, and converts the scanned analog signal into a digital signal for output.